Rebrebus.

s. By CHARLES DARWIN, M.A. On the Origin of Species. ars ago the f years ago the fashionable topic of discussion wa there are other inhabited worlds than this eart

> opponents of roduced on both sides, and the it were not on We are met

However that may be, we now her ns on the origin and changes of the st animals and vegetabl and pass annuals appeared dergone, and the causes of those It is to Mr. Darwin that is due s of those chang The work, the title of which stands at the l

of this article, has attracted great notice from naturali It contains new views, or such modifications and extens of views that have lately gain cannot fail to arouse the reflecti annot fail to arouse the re-tion of the argument it is intended to support. The of facts it contains will create some surprise. The witself is incomplete, being but the first instalment of

To the student of natural history there are few subthe determination of eing in fact an abstract ideal, not a real and substanti-orm, we are not to be greatly surprised if we find nature te at variance as to wi

nimal or plant may belong rould be any difficulty to the merest superficial observer alm trees, but there are minuter forms and less of iversities which would render it less easy to dete diversities the uninitiated would perhaps not classif pples,-yet both are of one species. Although it ma

be contended that there is no such thing as a there is the idea represented by the word spe such as there is no thing, no concrete substa o subject but in its own ut from its own point of view, according the heterodoxy is your doxy, orthodoxy is

dividuals of

ination of circumstances by which the one shot ausmated into the other. Still there is noth rove the possibility of such a metamor nd indefinite lapse of pposed to any such cond the leaves and wood of trees, that are found in re and coal mines, present the same general features and t

and in the tombs of Egypt, is commonly vidence of the immutability of species; but w

gned to the

We do not say that th

exceptional births or developments, and the duration of varieties, is expressed by Mr. Darwin as being attributable to the law of "natural selection," by which expression he understands the modifying influence of external con-It is obvious that if the question is to be discussed at all-and that it is a perfectly legitimate and reasonable discussion there does not exist a doubt-it must be discussed by the consideration of the answers to two ques-1. Have there, at various epochs in the history of our globe, been fresh evolutions out of inorganic matter. Have the original stock or prototype become modified by external conditions, that the new species have been evolved out of the old We believe that the cautious inquirer will, in the true inductive spirit, admit, after the most extended investigations, that these are questions which at present we have no means whatever of solving. At the same time we cannot but concede that while we hold the so-called theory of trantation to be an imperfect hypothesis, it is more philosophi than that which has recourse to the arbitrary interference an occasional creative act. It is more in harmony with attributes of omnipotence and omniscience to conce continuous creative power, or "principle of orderly eve tion," than to suppose an interruption of the grand l of the uniformity of nature,-an interruption so entire at variance with all the phenomena of nature with wh science has yet made us acquainted. The greatest ge ralisation of modern times, in natural history, has, in estimation, been Owen's theory of the homologies of the skeleton, whereby the relations of the several parts of the skeleton throughout the whole vertebrate kingdom

been traced through modifications which would at first sight appear utterly irreconcilable. living beings have, we suspect, been

Controlled by this secondary law, some of the ost durable older species would be found, together with the later forms, the intermediate links being missing because they were rare and transient. The persistence of

taken to be transmutations. Unity of plan, with in variety of detail, is the great marvel of nature's or -the limitations of this varying requires yet to be d mined before it can be supposed that we can trace be wards to any alleged prototype. Mr. Darwin draws large upon his reader's imagination when he advances his or that all vertelerate animals (man, necessarily inc have been derived from some primary being possessi simply a swimming bladder and lungs. Cuvier admitted the influence of external condition to modify structure, and had observed the transmission by descent of such varieties, but his genius never carried him off to so exalted a flight of imagination as Mr. Darwin has reached. Much that has been said and written in favour of muts tion of species, is drawn from the almost infinite varieties

of language. We are not determined, in very many stances, as to what is a species; we find it utterly impe to give a satisfactory definition, or to point out an gible standard, and consequently there is little chance that naturalists will in all cases be agreed as to what is variety and what is species or sub-species, so gradually do those merge into one another, and so diverse is often the chara

that are to be observed in the breeds of some domestic animals, such as dogs, pigeons, etc., etc. Much, how-ever, as the first dog or the first pigeon may vary from the latest fancy article of either kind, still dogs they are as dogs they were, and pigeons they always have been and pigeons they will continue to be. The controverse

it seems to us, owes its existence pretty much to the defect ter of an individual at one period of its existence to what

